

**Science Policy Board Meeting
January 27, 2004**

Agenda

Time Dynamics in the X-ray Region: the Case for LUX

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| 8:00 | Continental breakfast | |
| 8:30 | Executive Session: Charge to the Board | C. Shank |
| | With Division Directors: | |
| | W. Barletta (AFRD), N. Smith, B. Feinberg (ALS), D. Neumark (CSD) | |
| 9:00 | The LUX concept for an ultrafast X-ray facility at LBNL | S. Leone (20) |
| 9:20 | Discussion | |
| 9:30 | LUX machine capabilities | J. Corlett (30) |
| 10:00 | Discussion | |
| 10:15 | Break | |
| 10:30 | The LUX science case | S. Leone (60) |
| 11:30 | Discussion | |
| 11:45 | Executive session | |
| 12:15 | Lunch | |
| 1:15 | Comparison of ultrafast X-ray facilities and capabilities | R. Falcone (45) |
| 2:00 | Discussion | |
| 2:10 | Structural dynamics in condensed matter | R. Schoenlein (20) |
| 2:30 | Ultrafast magnetism | A. Scholl (20) |
| 2:50 | Discussion | |
| 3:00 | Break | |
| 3:15 | LUX machine developments and plans | J. Corlett (30) |
| 3:45 | Attosecond production in LUX | A. Zholents (20) |
| 4:05 | Recap of science possibilities | S. Leone (5) |
| 4:10 | Discussion | |
| 4:30 | Executive session | |
| 5:30 | Closeout | |
| 6:00 | Adjourn | |
| 6:30 | Dinner (by invitation) | |